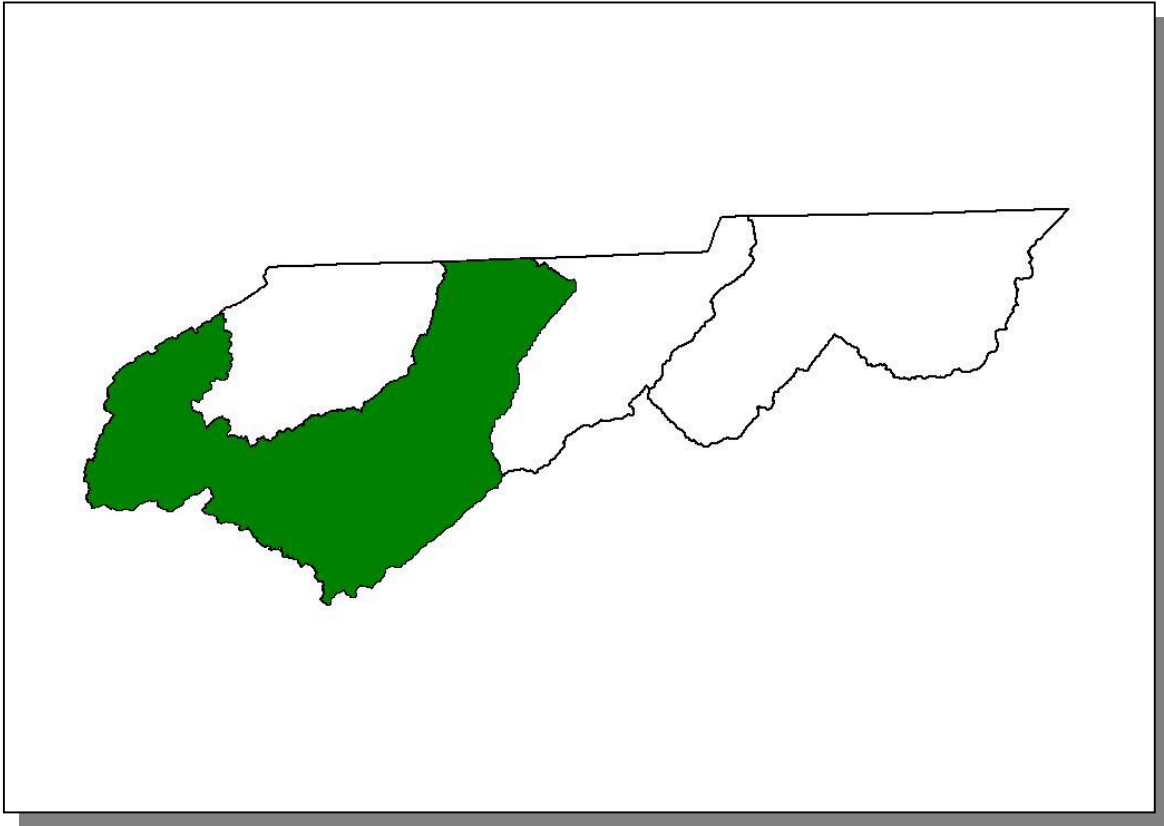
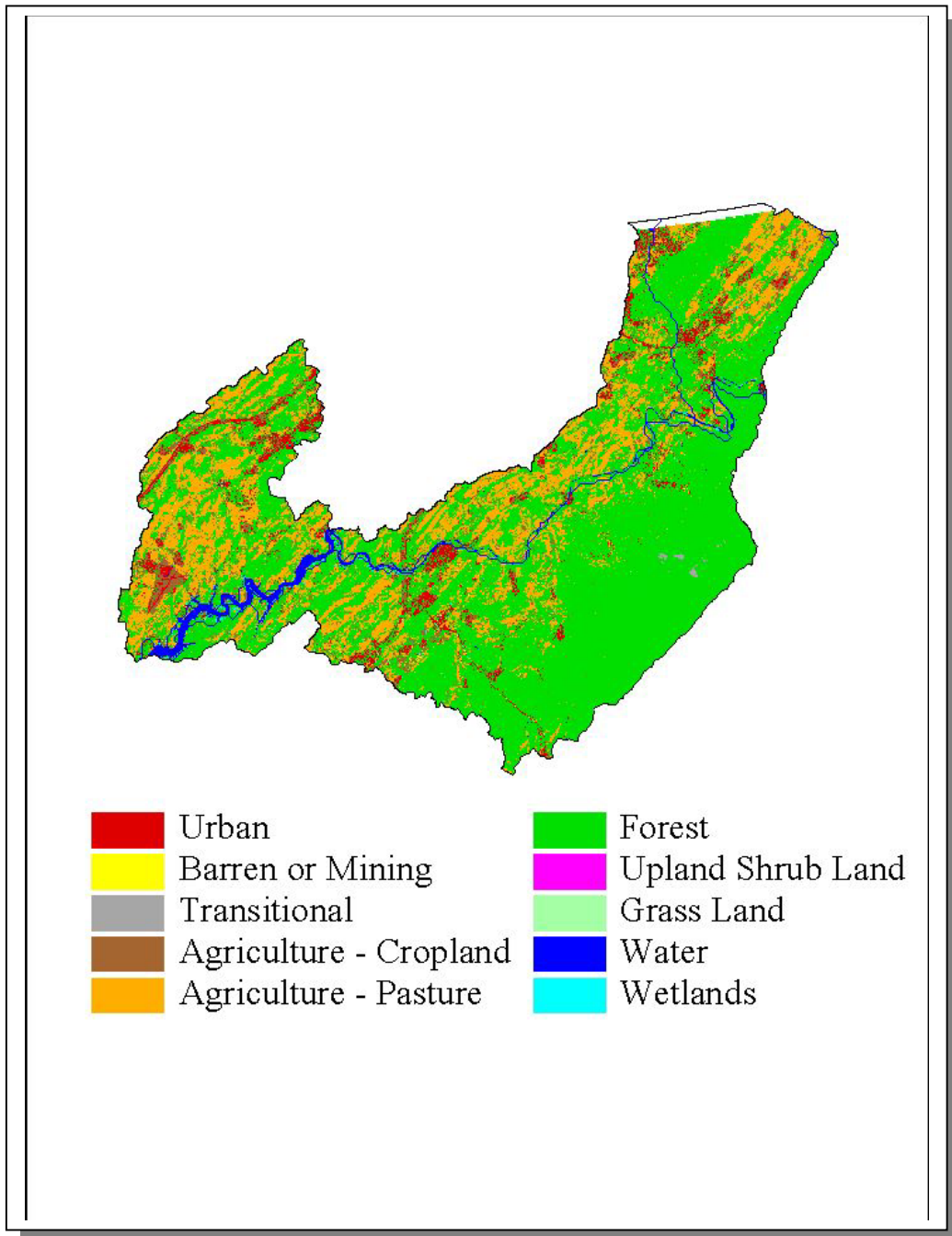


**4.2.C. 0601010204.**

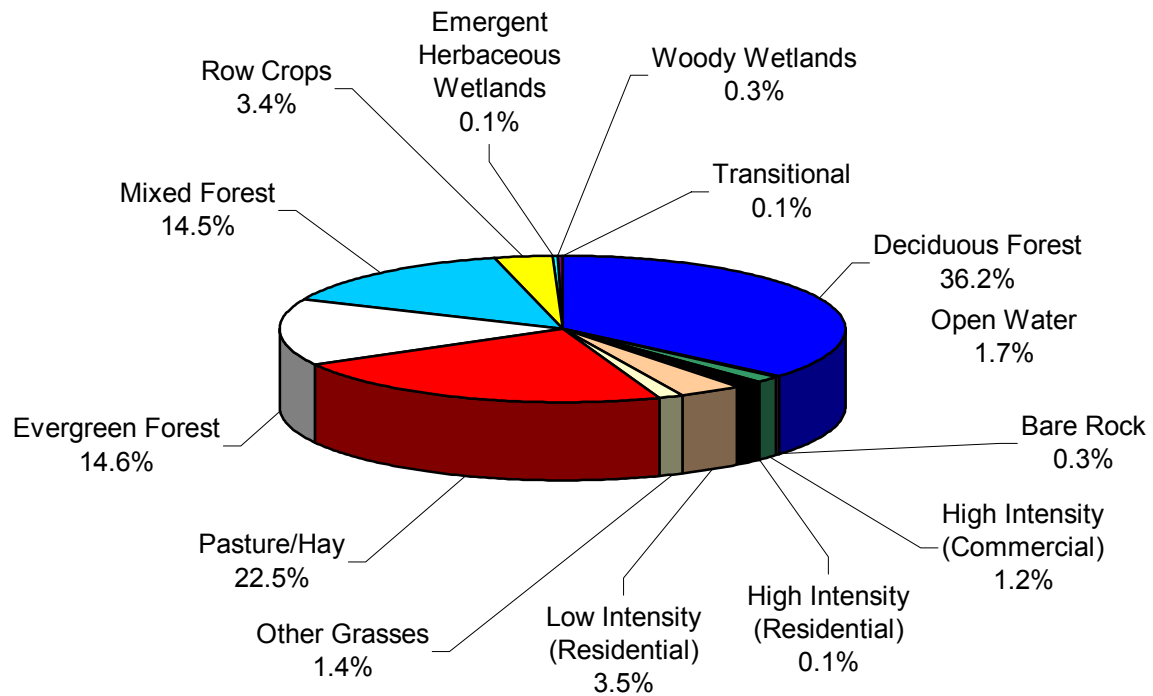


**Figure 4-15. Location of Subwatershed 0601010204.** The Group 2 portion of the Tennessee portion of the SF Holston HUC-10 subwatershed boundaries are shown for reference.

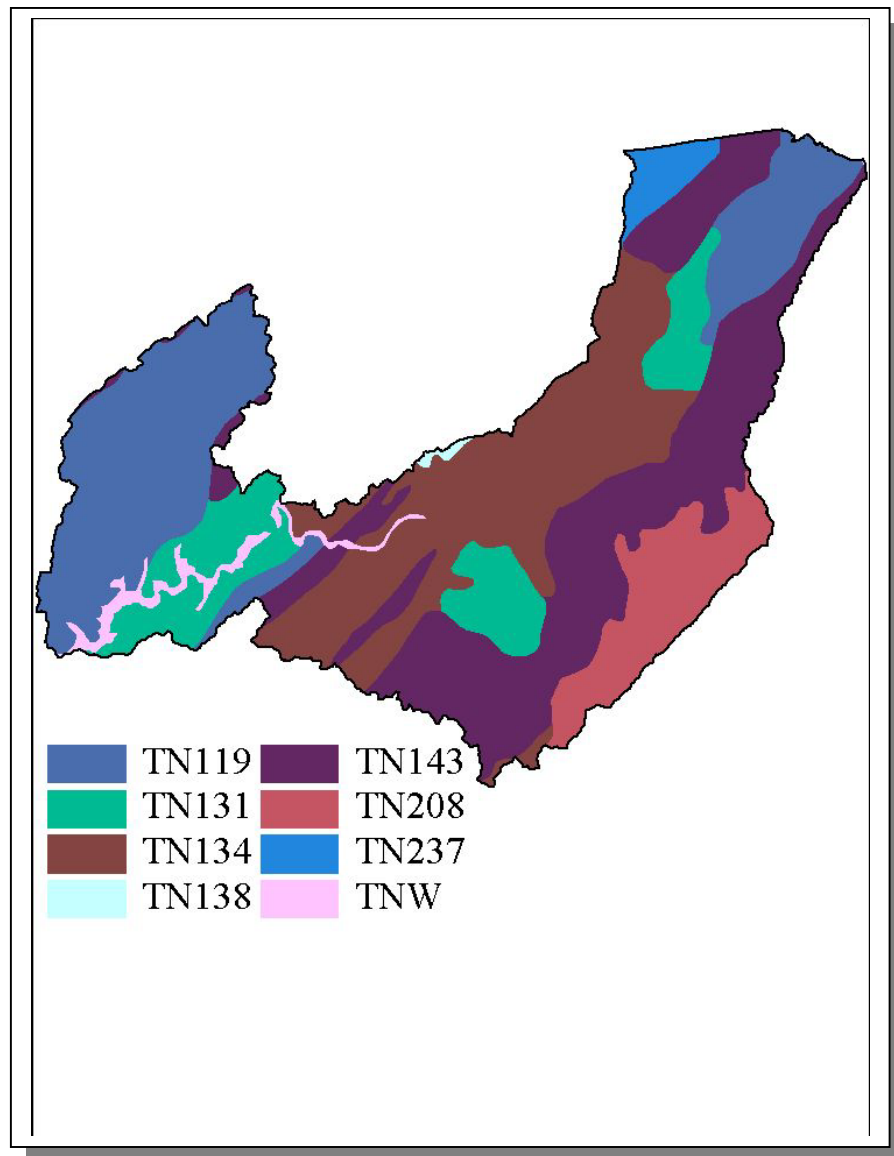
4.2.C.i. General Description.



**Figure 4-16. Illustration of Land Use Distribution in Subwatershed 0601010204.**



**Figure 4-17. Land Use Distribution in Subwatershed 0601010204.** More information is provided in SF Holston-Appendix IV.



**Figure 4-18. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 0601010204. TNW, lake area.**

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN119	0.00	C	1.08	5.15	Loam	0.33
TN131	0.00	C	1.17	4.95	Silty Loam	0.33
TN134	0.00	B	1.38	5.18	Loam	0.31
TN138	0.00	C	2.48	4.26	Sandy Loam	0.22
TN143	0.00	C	1.22	6.44	Loam	0.32
TN208	0.00	C	4.02	4.84	Loam	0.25
TN237	0.00	B	3.36	5.40	Silty Loam	0.32

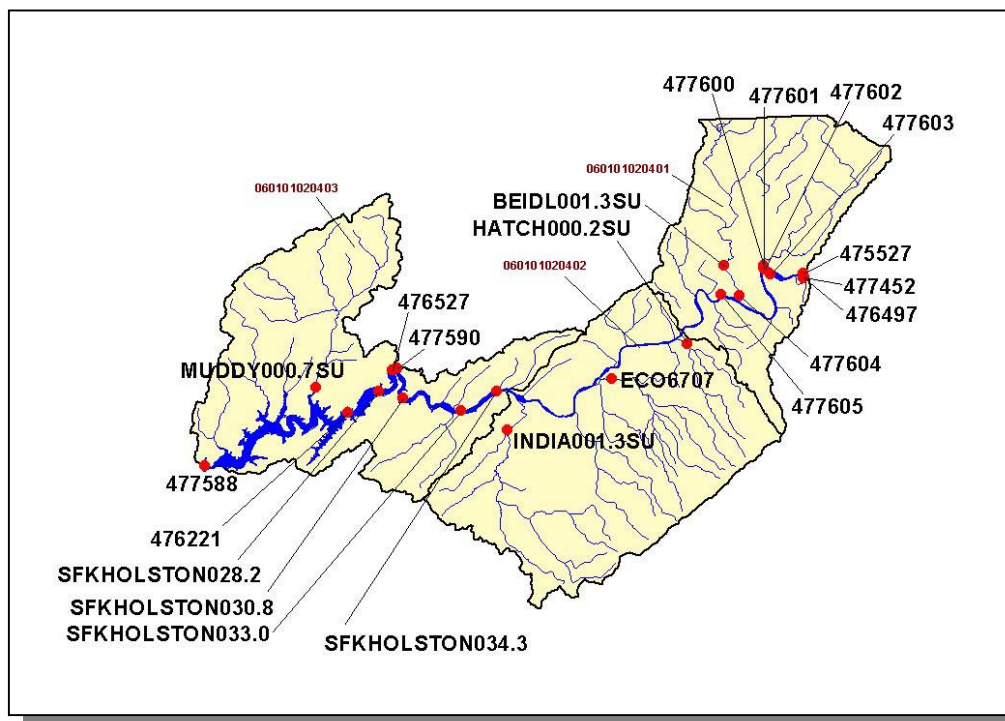
**Table 4-12. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 0601010204. More information is provided in SF Holston-Appendix IV.**

County	COUNTY POPULATION		Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED		% CHANGE
	1990	1997 Est.		1990	1997	
Carter	51,505	53,132	2.63	1,353	1,395	3.1
Sullivan	143,596	150,371	31.31	44,963	47,085	4.7
<b>Total</b>	<b>195,101</b>	<b>203,503</b>		<b>46,316</b>	<b>48,480</b>	<b>4.7</b>

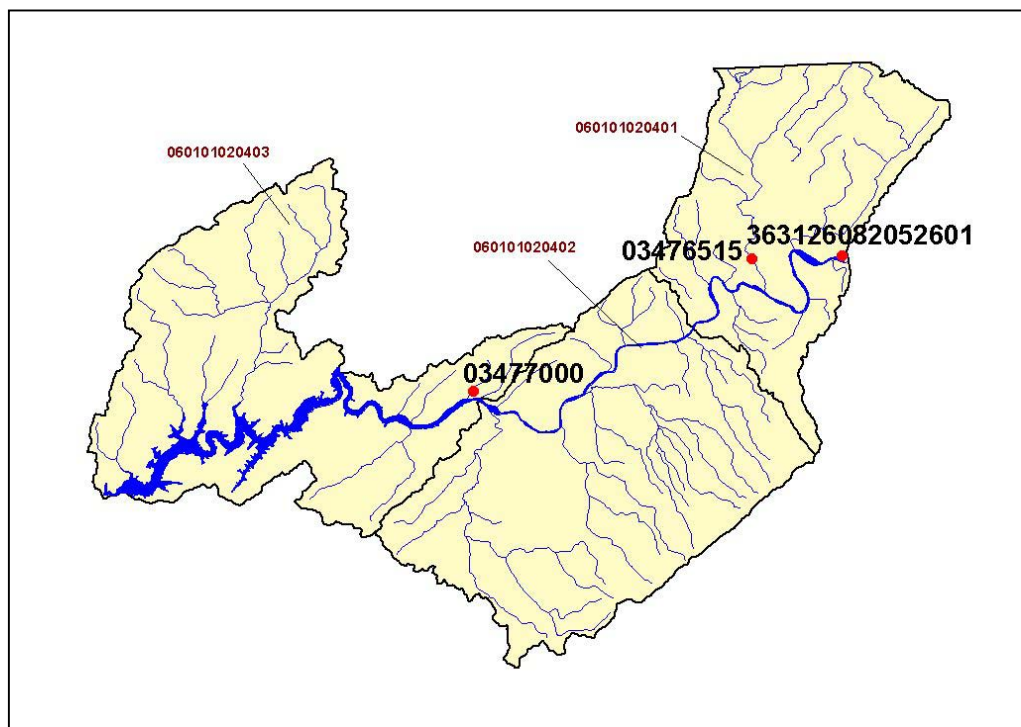
*Table 4-13. Population Estimates in Subwatershed 0601010204.*

			NUMBER OF HOUSING UNITS			
Populated Place	County	Population	Total	Public Sewer	Septic Tank	Other
Bluff City	Sullivan	1,394	608	447	155	6
Bristol	Sullivan	23,421	10,403	9,751	637	15
<b>Total</b>		<b>24,815</b>	<b>11,011</b>	<b>10,198</b>	<b>792</b>	<b>21</b>

*Table 4-14. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 0601010204.*

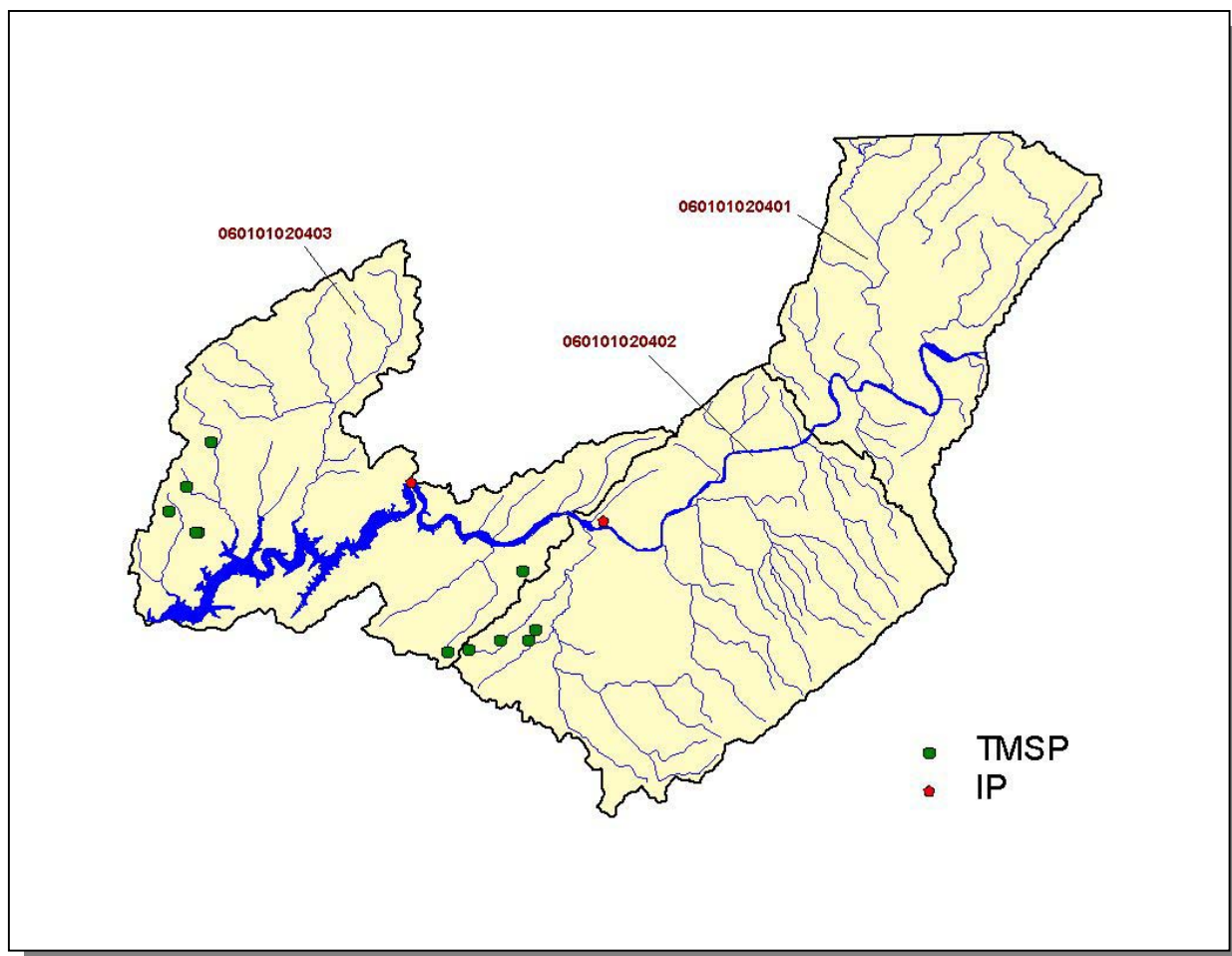


**Figure 4-19. Location of Storet Monitoring Sites in Subwatershed 0601010204.** Subwatershed 060101020401, 060101020402, and 060101020403 boundaries are shown for reference. More information is provided in SF Holston-Appendix IV.



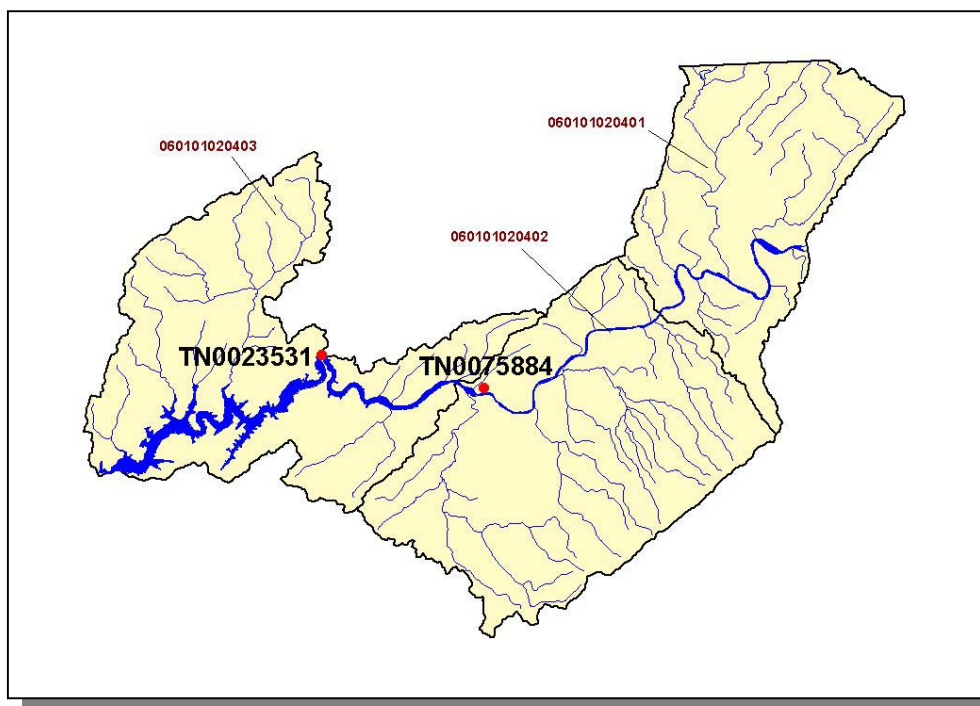
**Figure 4-20. Location of Historical Streamflow Data Collection Sites in Subwatershed 0601010204.** Subwatershed 060101020401, 060101020402, and 060101020403 boundaries are shown for reference. More information is provided in SF Holston-Appendix IV.

**4.2.C.ii.** Point Source Contributions.

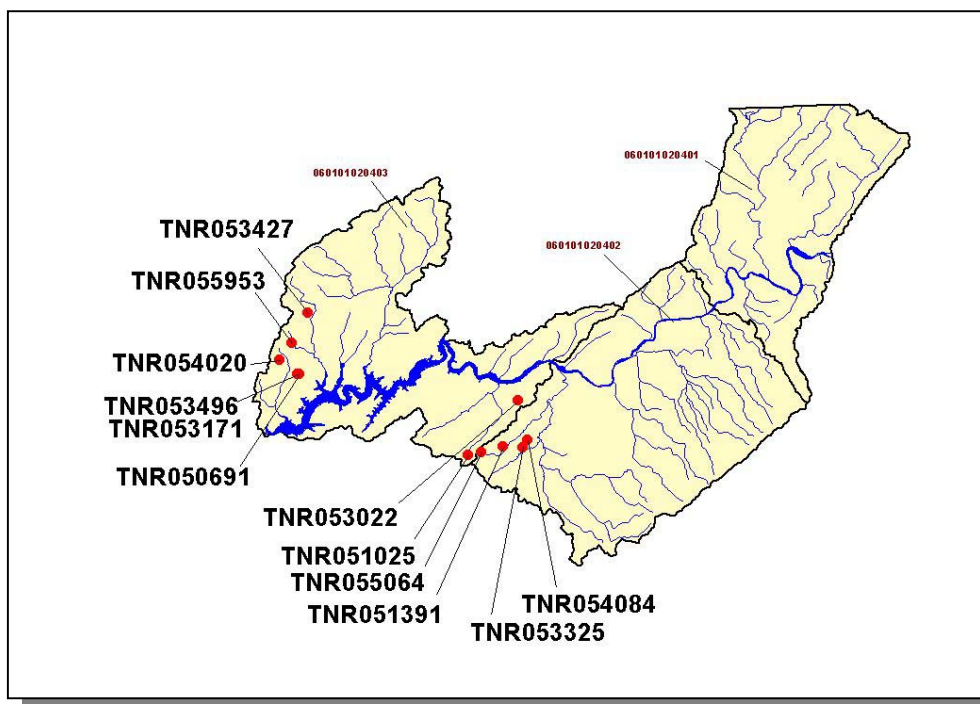


**Figure 4-21. Location of Active Point Source Facilities in Subwatershed 0601010204.** Subwatershed 060101020401, 060101020402, and 060101020403 boundaries are shown for reference. More information is provided in the following figures.





**Figure 4-22. Location of Active Point Source Facilities (Individual Permits) in Subwatershed 0601010204.** Subwatershed 060101020401, 060101020402, and 060101020403 boundaries are shown for reference. More information, including the names of facilities, is provided in SF Holston-Appendix IV.



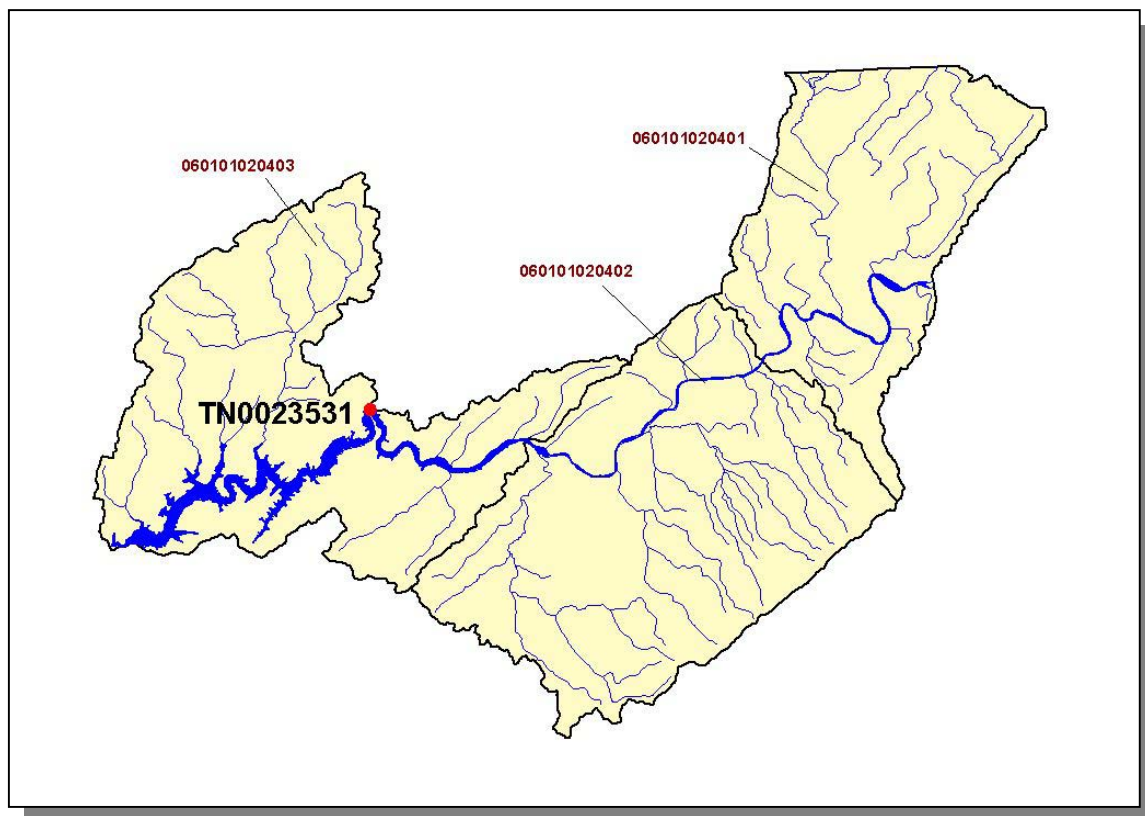
**Figure 4-23. Location of TMSP Facilities in Subwatershed 0601010204.** Subwatershed 060101020401, 060101020402, and 060101020403 boundaries are shown for reference. More information, including the names of facilities, is provided in SF Holston-Appendix IV.



**4.2.C.ii.a. Dischargers to Water Bodies Listed on the 1998 303(d) List**

There is one NPDES facility discharging to a water body listed on the 1998 303(d) list in Subwatershed 0601010204:

- TN0023531 (Bristol STP #2) discharges to Boone Reservoir (South Fork Holston River @ RM 29.6).



**Figure 4-24. Location of NPDES Dischargers to Water Bodies Listed on the 1998 303(d) List in Subwatershed 0601010204.** Subwatershed 060101020401, 060101020402, and 060101020403 boundaries are shown for reference. The names of facilities are provided in SF Holston-Appendix IV.

PERMIT #	1Q10	3Q10	7Q10	3Q20	QDESIGN
TN0023531	77.56	84.67	89.84	71.42	15.00000

**Table 4-15. Receiving Stream Flow Information for NPDES Dischargers to Waterbodies Listed on the 1998 303(d) List in Subwatershed 0601010204.** Data are in million gallons per day (MGD). Data were obtained from the USGS publication Flow Duration and Low Flows of Tennessee Streams Through 1992 or from permit files.

PERMIT #	TDS	P	NH <sub>3</sub>
TN0023531	X	X	X

**Table 4-16. Monitoring Requirements for NPDES Dischargers to Waterbodies Listed on the 1998 303(d) List in Subwatershed 0601010204.** TDS, Total Dissolved Solids.

PERMIT #	WET	FECAL	TRC	TSS	SETTLEABLE SOLIDS	BOD	CN <sup>-</sup>	DO	pH
TN0023531	X	X	X	X	X	X	X	X	X

**Table 4-17. Parameters Monitored for Daily Maximum (mg/L) Limits for NPDES Dischargers to Waterbodies Listed on the 1998 303(d) List in Subwatershed 0601010204.** Wet, Whole Effluent Toxicity; trc, total residual Chlorine; TSS, Total Suspended Solids, BOD, Biochemical Oxygen Demand.

**4.2.C.iii.** Nonpoint Source Contributions.

<b>LIVESTOCK (COUNTS)</b>					
Beef Cow	Cattle	Milk Cow	Chickens	Hogs	Sheep
5,986	13,235	490	16	46	32

**Table 4-18. Summary of Livestock Count Estimates in Subwatershed 0601010204.** According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

County	<b>INVENTORY</b>		<b>REMOVAL RATE</b>	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Carter	161.3	155.5	3.4	12.4
Sullivan	123.7	123.7	0.1	0.3
<b>Totals</b>	<b>285.0</b>	<b>279.2</b>	<b>3.5</b>	<b>12.7</b>

**Table 4-19. Forest Acreage and Average Annual Removal Rates (1987-1994) in Subwatershed 0601010204.**

<b>CROPS</b>	<b>TONS/ACRE/YEAR</b>
Nonagricultural Land Use	0.00
Grass (Hayland)	0.42
Legume/Grass (Hayland)	0.16
Grass (Pastureland)	1.30
Grass, Forbs, Legumes (Mixed Pasture)	1.51
Forest Land (Grazed)	0.00
Forest Land (Not Grazed)	0.00
Farmsteads and Ranch Headquarters	0.36
Corn (Row Crops)	8.20
Tobacco (Row Crops)	4.35
Other Land in Farms	0.02

**Table 4-20. Annual Estimated Total Soil Loss in Subwatershed 0601010204.**